

What is claimed is:

1. A keyboard structure, comprising:
2 a base plate;
3 a light guide member disposed on the base plate;
4 a membrane circuit board disposed on the light guide
5 member;
6 a key assembly disposed on the membrane circuit
7 board, with a key cap and a resilient element
8 between the key cap and the membrane circuit
9 board; and
10 a light-emitting element adjacent to the light guide
11 member and disposed under the membrane circuit
12 board, whereby light from the light-emitting
13 element enters the resilient element and key
14 cap via the light guide member.

1 2. The keyboard structure as claimed in claim 1,
wherein the resilient element is transparent.

1 3. The keyboard structure as claimed in claim 1,
2 wherein the membrane circuit board is transparent.

1 4. The keyboard structure as claimed in claim 1,
2 wherein the membrane circuit board further comprises at
3 least one through hole corresponding to the key cap, the
4 light in the light guide member enters the key cap via
5 the through hole.

1 5. The keyboard structure as claimed in claim 1,
2 wherein the light guide member further comprises at least

3 one reflective layer formed on the surface thereof to
4 reflect the light therein.

1 6. The keyboard structure as claimed in claim 5,
2 wherein the reflective layer is coated on the surface of
3 the light guide member.

1 7. The keyboard structure as claimed in claim 5,
2 wherein the reflective layer is attached to the surface
3 of the light guide member.

1 8. The keyboard structure as claimed in claim 1,
2 wherein the light guide member further comprises a recess
3 to receive the light-emitting element.

1 9. The keyboard structure as claimed in claim 1,
2 wherein the key assembly further comprises a scissors
3 connection mechanism disposed between the key cap and the
4 membrane circuit board.

1 10. The keyboard structure as claimed in claim 1,
2 wherein the light-emitting element is a light-emitting
3 diode (LED).

1 11. The keyboard structure as claimed in claim 1,
2 wherein the membrane circuit board provides power to the
3 light-emitting element.

1 12. The keyboard structure as claimed in claim 11,
2 wherein the light-emitting element is attached to the
3 membrane circuit board to acquire power.

1 13. The keyboard structure as claimed in claim 1,
2 further comprising a circuit board disposed under the

3 base plate to provide power to the light-emitting
4 element.

1 14. The keyboard structure as claimed in claim 13,
2 wherein the light-emitting element is attached to the
3 circuit board to acquire power.

1 15. The keyboard structure as claimed in claim 1,
2 wherein the keyboard structure is deployed in a computer.

1 16. The keyboard structure as claimed in claim 1,
2 wherein the keyboard structure is deployed in a cellular
3 phone.

1 17. The keyboard structure as claimed in claim 1,
2 wherein the keyboard structure is deployed in a PDA.